

Intellectual Property Administration
P. O. Box 272400
Fort Collins, Colorado 80527-2400

ATTORNEY DOCKET NO. 10018707 -3

IN THE
UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s): David M. Anderson

Confirmation No.: 6779

Application No.: 10/661025

Examiner: Tat, Binh C

Filing Date: Sep 11, 2003

Group Art Unit: 2825

Title: Method And System For Reproduction In A Genetic Optimization Process

Mail Stop Amendment
Commissioner For Patents
PO Box 1450
Alexandria, VA 22313-1450RECEIVED
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TRANSMITTAL LETTER FOR RESPONSE/AMENDMENT

Sir:

Transmitted herewith is/are the following in the above-identified application:

- (X) Response/Amendment () Petition to extend time to respond
 () New fee as calculated below () Supplemental Declaration
 () No additional fee
 () Other: _____ (fee \$ _____)

CLAIMS AS AMENDED BY OTHER THAN A SMALL ENTITY						
(1) FOR	(2) CLAIMS REMAINING AFTER AMENDMENT	(3) NUMBER EXTRA	(4) HIGHEST NUMBER PREVIOUSLY PAID FOR	(5) PRESENT EXTRA	(6) RATE	(7) ADDITIONAL FEES
TOTAL CLAIMS	28	MINUS	31	= 0	X \$50	\$ 0
INDEP. CLAIMS	6	MINUS	6	= 0	X \$200	\$ 0
[] FIRST PRESENTATION OF A MULTIPLE DEPENDENT CLAIM					+ \$360	\$ 0
EXTENSION FEE	1ST MONTH \$120.00	2ND MONTH \$450.00	3RD MONTH \$1020.00	4TH MONTH \$1590.00		\$ 0
OTHER FEES						\$
TOTAL ADDITIONAL FEE FOR THIS AMENDMENT						\$ 0

Charge \$ 0 to Deposit Account 08-2025. At any time during the pendency of this application, please charge any fees required or credit any overpayment to Deposit Account 08-2025 pursuant to 37 CFR 1.25. Additionally please charge any fees to Deposit Account 08-2025 under 37 CFR 1.16, 1.17, 1.19, 1.20 and 1.21. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

David M. Anderson

By Thomas M. Croft

Thomas M. Croft

Attorney/Agent for Applicant(s)
Reg. No. 44,051

Date: April 7, 2005

(X) I hereby certify that this paper is being transmitted
to the Patent and Trademark Office facsimile
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Number of pages: 14

Typed Name: Donna M Kraft

Signature: Donna M Kraft

Telephone No.: (970) 898-4218

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HEWLETT-PACKARD COMPANY
IP Administration
P.O. Box 272400
Fort Collins, Colorado 80528-9599

PATENT APPLICATION

ATTORNEY DOCKET NO. 10018707-3

IN THE
UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s): David Michael Anderson

Serial No.: 10/661,025

Examiner: Binh C. Tat

Filing Date: September 11, 2003

Group Art Unit: 2825

Title: Method and System for Reproduction in a Genetic Optimization Process

COMMISSIONER FOR PATENTS
Washington, D.C. 20231

Sir:

This is in response to the office action mailed on January 10, 2005.

AMENDMENTS

Please amend the claims as follows:

Claim 1 (original): A method for reproduction as part of a computer-implemented optimization process based on a genetic model, comprising the steps of:

- (a) generating a set of mating combinations, each mating combination comprising a first chromosome and a second chromosome selected from a set of chromosomes, each chromosome comprising at least one gene;
- (b) assigning a composite score to each mating combination; and
- (c) selecting a particular mating combination using a biased random value, the biased random value favoring mating combinations having a favorable composite score, the first and second chromosomes of the particular mating combination